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1	+	US-2,866,505	12-30-1958		E.W. FORKI	IER		J						
1/1	AF	US-3,857,618	12-31-1974		HAGEN et al									
N	AG	US-3,975,063	08-17-1976		MAHOTKA e	et al.	·							
	AH	US-5,076,715	12-31-1991		SAOYAMA e	et al.								
/ Y	AJ	US-5,427,454	06-27-1995		TSUBOI									
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Éxaminer Initials*	Cite No.	Country Code <sup>3</sup> Number <sup>4</sup> Ki	MM-DD-YYYY		of Cited Doc	ument	Where Rel Relevant F	evant Passages or igures Appear	T <sup>e</sup>					
MR	AJ DE 75 07 730 U				-4-1975	FRANKE & HEY	DRICH KG		+					
1/1	+	DE 42 17 663 A			-03-1992	HYDREL AG		<u> </u>	<u> </u>	$\perp$				
1/1	AL	EP 1 319 852 A2		06	06-18-2003 NIPPON THOMPSON LTD 01-22-2003 NIPPON THOMPSON LTD			-	_					
	AM	EP 1 277 976 A2		01				_	_					
	AN	JP 60-4618 A		01	-11-1985	Teramachi HIRC	SHI		<u> </u>	Abs				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)							Application	Application Number No				lot Yet Assigned				
							Filing Date	First Named Invent r Group Art Unit Examiner Name			November 21, 2003 Kouji OBARA					
							First Name									
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	AC	JP	24318/199	1		Ì			02/01/	1991	7					
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